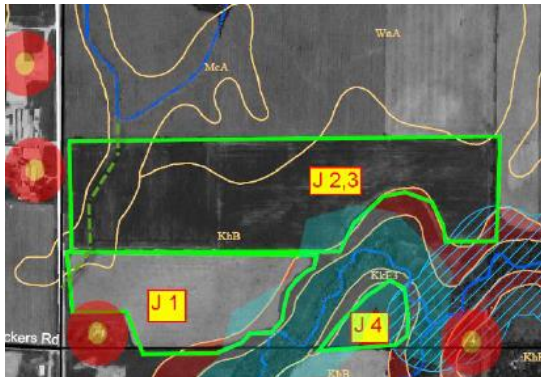


Monitoring, Reporting & Compliance

2017 CAFO Meetings



Overview

- **Standard Compliance & Reporting**
 - Annual Reports – typically due January 31st
 - NMP Update Reports – typically due March 31st
 - Permit Schedules (see permit)
- **Spill / Non-compliance reporting review**

Annual Reports

- **Submit by January 31st** (or date listed in permit if different)
 - Summary of inspections / noncompliance
 - Quarterly reports
 - Dates when manure storage reaches 180-day marker/capacity (Oct. 1st – Nov. 30th)
 - Total amount of manure & process wastewater generated in previous 12 months
 - Distributed manure (volume to approved entities and/or other permittee's land not in your NMP)
 - Number & type of animals (use 3400-25A form)
 - Summary of proposed changes for the facility in the next 12 months (provide AU form for proposed expansions)

Annual Report Checklist

For WPDES Permitted CAFO Operations

Form 3400-025E (R 1/14)

Notice: The following items are required to be submitted to the Department on an annual basis as part of the Annual Report for a Wisconsin Pollutant Discharge Elimination System (WPDES) permitted Concentrated Concentrated Animal Feeding Operation (CAFO). The following checklist will help to ensure that all of the necessary items are attached and submitted as required under the WPDES permit and s. NR 243.19(3)(c), Wis. Admin. Code. Note: Manure and soil sample results, land application summaries, etc. may be provided with the nutrient management plan annual update. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31-19.39, Wis. Stats.).

I. Facility Information			
Date	Facility Name		
Address		City	State ZIP Code
Email	Phone Number	Permit Contact Name	

II. Annual Report Checklist	
Location and Page #	Annual Report information to be submitted
	<p>Copies of quarterly reports shall be submitted and must include the following:</p> <ul style="list-style-type: none"> ➤ Identified permit violations including all discharges of manure or process wastewater to surface waters, overflows of liquid manure or process wastewater storage and containment structures, and number of missed inspections ➤ Dates, times and approximate volume of discharges identified above ➤ Corrective Actions taken ➤ Summary of any spill incidents ➤ A summary of the condition of runoff control systems and storage and containment structures ➤ A summary of recorded levels of materials in liquid storage and containment structures, including exceedances of the maximum operating level. Copies of monitoring calendar pages or other forms of documentation showing recorded levels must be attached
	Dates on which storage facilities were emptied to the 180-day marker between October 1 st and November 30 th
	The total capacity of manure storage and containment facilities (capacity below MOL marker) and total amount of manure and process wastewater generated in previous 12 months, including precipitation and runoff diverted to storage or containment structures. Include calculation of days of storage based on capacity and amount generated
	Total amount of manure and process wastewater distributed to another person by the permittee in accordance with s. NR 234.142 in the previous 12 months. This includes the volume of manure and process wastewater approved to be applied to land under another permittee's nutrient management plan
	The number and type of mature and immature animals at the operation and whether the animals are in open confinement or housed under roof (please use form 3400-25A)
	Summary of any proposed changes planned at facility this upcoming year Note: Engineering review may be required for reviewable structures
	Other information requested by the department in writing or in the permit

III. Certification

I certify that the Annual Report information described above is:

- (1) in compliance with all NR 243.19, Wis. Adm. Code, reporting requirements; and
- (2) all annual report information has been reviewed by farm operator/owner.

I understand that pursuant to s. 283.91(4), Wis. Stats., any person who knowingly makes any false statement representation or certification in a document filed with the DNR may be punished by a fine of not more than \$10,000 or by imprisonment for not more than 6 months or both.

Signature of Official Farm Representative

Date

This is your one report a year to summarize compliance from previous year and let DNR know of any planned changes for upcoming year.

Nutrient Management Plan Update

- **Stand alone complete NMP including updates**
 - Crop rotations, manure applications, soil tests, restriction maps, monitoring activities, calibration records, etc.
- **Updates include:**
 - Non-manure or other offsite nutrient sources to fields
 - Updates to SNAP Plus data files/reports (or equivalent)
 - Updated maps
 - New* & removed fields (to confirm adequate land base)
 - *Any new fields must be approved prior to use through online e-permitting system process
 - Headland stacking site information
 - Field verification results (prior to spreading)
 - Monitoring results (W soils, tile outlets...)
 - Should include spreading reports for previous and current crop years (i.e. 2016 and 2017)
- **Typically due March 31st each year (see permit)**
- **Coming soon – Online submittal**
 - Release coming soon



Notice: The following items are required to be submitted to the Department on an annual basis as part of the nutrient management plan (NMP) update for a WPDES permitted CAFO. NMP updates must convey all landspreading activities during the previous calendar or cropping year; refer to the CAFO WPDES permit for specific time period requirements. This checklist will help ensure that all necessary items are attached and submitted as required under the WPDES permit and s. 243.19(3)(c), Wis. Admin. Code. Note: NMP Updates may be submitted electronically as long as signatures are still included on relevant forms. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31-19.39, Wis. Stats.).

I. Facility Information

Date	Facility Name			
Address		City	State	ZIP Code
Email	Phone Number	Permit Contact Name		
Signature				

II. NMP Update Checklist

Location	NMP update information to be submitted
	An annual spreading report summarizing manure and other process wastewater land application activities indicating the following for each field receiving manure or process wastewater (Form 3200-123 or equivalent should be used): <ul style="list-style-type: none"> > Date of application > Information on the field where manure or process wastewater is applied including field identification, slope and soil test phosphorus levels > Acres applied > Source and nutrient content of applied manure > Current and previous field crops > Nutrient balance indicating crop nutrient need in comparison to nutrients applied and credited from all sources. > Whether the soil was dry, wet, saturated, frozen or snow covered at time of application > Method and rate of application in tons or gallons per acre > Whether fields meet T (tolerable soil loss) > Whether soil tests have been taken within the last 4 years > Number of years of crop phosphorus need applied based on crop rotation > For surface applications on frozen or snow-covered ground, whether any applied manure or process wastewater ran off the application site
	Fields in permittee's nutrient management plan which received nutrients from a source other than manure or process wastewater (e.g. municipal waste, industrial waste, seepage waste, etc.) <ul style="list-style-type: none"> > Address the 12 bullets above for these fields/sources
	SNAP Plus data files/reports or equivalent software
	Any updated field maps and records of field verification completed in previous 12 months (e.g. log, photos, measurements, etc.)
	New fields added to nutrient management plan in previous 12 months <ul style="list-style-type: none"> > Restriction maps > Field data
	Fields removed from nutrient management plan in previous 12 months
	Headland stacking site information
	Total number of acres for land application covered by the nutrient management plan
	Total number of acres actually used by the permittee for land application of manure and process wastewater in the previous 12 months
	Lab analyses for all sources of manure and process wastewater land applied in the previous 12 months. Sources should be clearly identified

Location	NMP update information to be submitted
	Lab analyses of most recent soil tests completed for fields receiving manure or process wastewater in the previous 12 months
	A statement indicating whether the current version of the permittee's nutrient management plan was developed or approved by a certified nutrient management planner (include signed copies of the 500 checklist and NR 243 checklist)
	Results of required tile line and/or groundwater/bedrock depth monitoring
	Results of required monitoring for manure irrigation systems
	Results of land application equipment inspections and calibration
	Other information requested by the department in writing or in the permit

Comments

Comments

III. Certification

I certify that the NMP Update information described above is:

- (1) in compliance with all NR 243.19, Wis. Adm. Code, reporting requirements; and
- (2) all NMP update information has been reviewed by farm operator/owner.

I understand that pursuant to s. 283.91(4), Wis. Stats., any person who knowingly makes any false statement representation or certification in a document filed with the DNR may be punished by a fine of not more than \$10,000 or by imprisonment for not more than 6 months or both.

Signature of Official Farm Representative

Date

This report covers all field application activities to demonstrate NMP implementation.

Also include 3400-025B and 590 checklists to certify entire NMP is compliant.

Permit Noncompliance – Self Reporting

- Any noncompliance associated with land application. Examples:
 - Manure leaving field site
 - Applying within setback area
 - Failing to get approval for new field
- Exceedance of maximum operating level in storage
- Failure to maintain 180 days of storage
- Failure to empty storage to 180 day capacity by December 5th
- Missing due dates in Schedules section of permit
- Failure to submit complete permit reissue application
- Production site containment system failure



Permit Schedules

2 Schedules

2.1 Annual Reports

Submit Annual Reports by January 31st of each year in accordance with the Annual Reports subsection in Standard Requirements.

Required Action	Due Date
Submit Annual Report #1:	01/31/2018
Submit Annual Report #2:	01/31/2019
Submit Annual Report #3:	01/31/2020
Submit Annual Report #4:	01/31/2021
Submit Annual Report #5:	01/31/2022
Ongoing Annual Reports: Continue to submit Annual Reports until permit reissuance has been completed.	

2.2 Nutrient Management Plan

Required Action	Due Date
Management Plan Submittal: Submit any necessary updates to the Nutrient Management Plan to meet the conditions outlined in this permit (see conditions in the Livestock Operational and Sampling Requirements section).	
Management Plan Annual Update #1: Submit an Annual Update to the Nutrient Management Plan by March 31st each year. Note: In addition to Annual Updates, submit Management Plan Amendments to the Department for written approval prior to implementation of any changes to nutrient management practices, in accordance with the Nutrient Management requirements in the Livestock Operational and Sampling Requirements section.	03/31/2017
Management Plan Annual Update #2: Submit an Annual Update to the Nutrient Management Plan.	03/31/2018
Management Plan Annual Update #3: Submit an Annual Update to the Nutrient Management Plan.	03/31/2019
Management Plan Annual Update #4: Submit an Annual Update to the Nutrient Management Plan.	03/31/2020
Management Plan Annual Update #5: Submit an Annual Update to the Nutrient Management Plan.	03/31/2021
Ongoing Management Plan Annual Updates: Continue to submit Annual Updates to the Nutrient Management Plan until permit reissuance has been completed.	

2.3 Submit Permit Reissuance Application

Required Action	Due Date
Reissuance Application: Submit a complete permit reissuance application 180 days prior to permit expiration.	08/31/2021

Due dates can seldom be extended/changed so plan accordingly.

- Review and comment on draft permit provided to you
- Standard schedules for reporting and permit reissue application
- Others pertain to actions required for compliance – typically engineering related

2.8 Manure Storage Facility - Modifications

Modifications to comply with standards.

Required Action	Due Date
Plans and Specifications: Submit plans and specifications for Department review and approval in accordance with Chapter 281.41, Wis. Stats., and Chapter NR 243, Wis. Adm. Code, to permanently correct any adverse manure storage conditions.	08/01/2017
Corrections and Post Construction Documentation: Complete construction on the manure storage facility that permanently corrects any adverse conditions in concurrence with and approval by the Department, by the specified Date Due. Submit post construction documentation within 60 days of completion of the project.	11/01/2018

2.4 Calf Hutch Runoff Control System - Installation

Required Action	Due Date
Implement Interim Controls: Install temporary controls and manage area to ensure no runoff discharges from the calf hutch feedlot.	04/01/2017
Plans and Specifications: Submit plans and specifications for a permanent calf hutch feedlot runoff control system for Department review and approval in accordance with Chapter 281.41, Wis. Stats., and Chapter NR 243, Wis. Adm. Code. See Standard Requirements for plan content information.	08/01/2017
Complete Installation: Complete construction of runoff control system. System shall be functional and in operation by the specified Date Due. Post construction documentation shall be submitted within 60 days of completion of the project.	07/01/2018

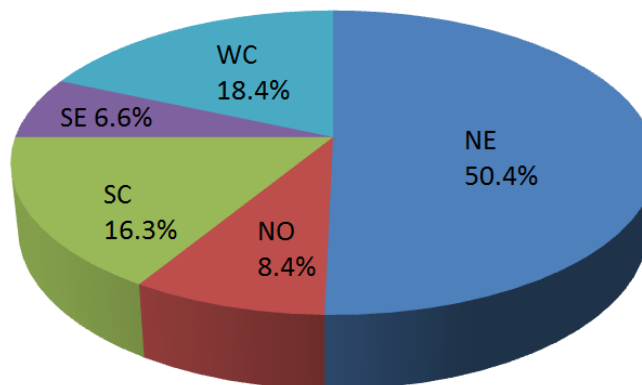
Spill Reporting

- Spills – any potential for manure to impact water (surface or groundwater)
 - Take action to stop discharge/clean-up spill
 - Call spills hotline: 1-800-943-0003
 - Follow-up reporting to DNR spill coordinator and permit contact
- Permittee/waste generator is responsible regardless of cause of spill (land application runoff, vehicle accident, hose break, etc.)

1-800-943-0003



**Wisconsin's
24-Hour Spill
Emergency
Hotline**



**Last 10 years of
manure spills
reported by region**

Spill Reporting Reminders

- **Responsible Party (farm owner) should be the one to report the spill if possible**
- **If manure applicator reports spill, the farm name responsible for the manure must be named**
- **Don't under report volumes or downplay impacts or risks of impacts to water quality**
- **Explain what measures have been taken and are planned to be taken**
- **It is beyond DNR staff's scope to provide prescriptive clean up methods**

DNR spill response roles

- Receive notification of reportable spills
- Respond as necessary to ensure appropriate action is taken to clean up
- Determine that remedial clean-up activities are sufficient (restored to previous state as much as practicable)
- Take enforcement when necessary



General Reminders

- **Review often!**
 - Nutrient Management Plan
 - Permit & Monitoring Program
 - Emergency Response Plan
- **Get expert's assistance when needed**
 - Engineering consultant
 - Crop consultant
 - Compliance expert
 - Spill response consultant
- **Submit reports on time**
 - Requirements apply regardless of DNR staff vacancies
 - Enforcement notice (typically an NON) will be issued for late reports/reports not received

**Thank you for your attention,
any questions?**

WISCONSIN
DEPT. OF NATURAL RESOURCES